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Research Grants Training Awards Fellowship Awards

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NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

RESEARCH GRANTS
TRAINING AWARDS
FY 1980
SUMMARY TABLES

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DATA ANALYSIS AND REPORTS
NINCDS EXTRAMURAL ACTIVITIES PROGRAM

NATIONAL INSTITUTE

OF

NEUROLOGICAL AND COMMUNICATIVE

DISORDERS AND STROKE

RESEARCH GRANTS

TRAINING AWARDS

FY 1980

SUMMARY TABLES

FOREWORD

This is the first edition of our fiscal year summary tables as a separate volume. In the past, these tables have been included in several of the fiscal year summary books.

The tables include data for all the FY 1980 research, training and fellowship programs by disorder or scientific field and by program area. We have also included two new tables which are arranged by state or country and by type.

Charlotte L. Karel
Chief, Office of Data Analysis and Reports
NINCDS Extramural Activities Program

NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

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NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

SUMMARY TABLE I -- Research Grants Awarded by Disorder, FY 1979 and 1980

(Dollars in Thousands)

Disorder Classification	All Research Grants			
	FY 1979		FY 1980	
	No.	Dollars*	No.	Dollars*
1. Neurological Disorders - Multi.**	1	$ 182	1	$ 205
Total - 1	1	182	1	205
1A. Disorders of Early Life	1	511	-	-
1A1. Cerebral Palsy	4	285	6	386
1A2. Mental Retardation	1	29	1	135
1A3. Toxic Metabolic/Deficiency Disorders	50	3,688	63	5,884
1A4. Early Development	125	9,413	131	10,675
1A5. Disorders of Early Life other than above	4	346	6	461
Total - 1A	185	14,273	207	17,541
1B. Disorders of Aging	7	1,328	9	448
1B1. Parkinsonism	19	2,316	29	3,283
1B2. Huntington's Disease	10	549	14	2,138
1B3. Senile/Presenile Dementia	11	742	12	1,394
1B4. Disorders of Aging other than above	3	72	3	384
Total - 1B	50	5,007	67	7,648
1C. Cerebrovascular Disorders	42	10,062	49	12,275
1C1. Aneurysms	-	-	1	184
1C2. Hemorrhage	-	-	1	81
1C3. Thrombosis and Embolism	-	-	-	-
1C4. Diagnostic Procedures	6	5,374	9	6,011
1C5. Headache	3	241	2	197
Total - 1C	51	15,677	62	18,748
1D. Convulsive and Related Paroxysmal Disorders	4	420	2	538
1D1. Epilepsy	70	6,001	72	7,216
1D2. Other Paroxysmal Disorders	3	217	7	406
Total - 1D	77	6,638	81	8,160
1E. Demyelinating/Sclerosing Disorders	26	1,831	29	2,321
1E1. Multiple Sclerosis	24	5,740	29	7,135
1E2. Amyotrophic Lateral Sclerosis	6	577	12	979
1E3. Allergic Encephalitis/Neuritis	11	970	12	1,016
1E4. Neuron Degeneration other than above	-	-	-	-
Total - 1E	67	9,117	82	11,451
1F. Muscular/Neuromuscular Disorders	89	6,837	83	6,240
1F1. Muscular Dystrophy	14	1,681	19	1,923
1F2. Myasthenia Gravis	11	995	13	1,262
1F3. Peripheral Neuropathy	8	1,066	9	1,145
1F4. Neuromuscular Disorders other than above	5	302	6	353
Total - 1F	127	10,881	130	10,923

Disorder Classification	All Research Grants			
	FY 1979		FY 1980	
	No.	Dollars*	No.	Dollars*
1G. Infectious Diseases	4	$ 212	4	$ 223
1G1. Encephalitis or Encephalomyelitis	1	50	2	92
1G2. "Slow" viruses	18	1,473	18	1,565
1G3. Post-Infectious Neuritides	2	90	2	154
1G4. Meningitis	3	250	2	118
1G5. Parasitic Infections	-	-	1	65
Total - 1G	28	2,076	29	2,216
1H. Trauma and Injury	-	-	1	488
1H1. Brain Injury	13	3,373	14	3,745
1H2. Spinal Cord Injury	17	3,748	18	3,734
1H3. Peripheral Nerve Injury	2	132	1	264
1H4. Regeneration and Plasticity	61	4,951	68	6,694
1H5. Radiation Damage	4	223	3	155
1H6. Biomechanics, Manipulative Therapy	3	444	4	622
1H7. Diagnostic Procedures	-	-	-	-
1H8. Shock or Coma	2	320	4	505
Total - 1H	102	13,192	113	16,209
1J. Tumors of Nervous System	5	259	5	304
1J1. Brain Tumors	3	209	2	131
1J2. Spinal/Peripheral Nerve Tumor	1	64	1	60
1J3. Diagnostic Procedures	3	292	1	186
1J4. Intracranial Pressure	6	345	7	441
Total - 1J	18	1,169	16	1,122
1M. Neuroendocrine Studies	91	6,163	110	7,855
Total - 1M	91	6,163	110	7,855
1N. Neural Aspects of Learning and Behavior	37	2,564	41	2,989
Total - 1N	37	2,564	41	2,989
1P. Nervous System Studies related to Normal Function	1	38	1	38
1P1. Anatomy	31	1,914	36	2,303
1P2. Physiology	143	9,620	179	13,717
1P3. Pharmacology	39	2,778	50	3,520
Total - 1P	214	14,350	266	19,578
Neurological Disorders, Total	1,048	101,289	1,205	124,647
2. Sensory Disorders	-	-	-	-
2B. Disorders of Hearing and Equilibrium	15	2,633	15	3,188
2B1. Hearing Disorders	56	8,452	50	9,273
2B2. Auditory System Structure and Function	63	4,910	63	4,616
2B3. Equilibrium	15	784	13	779
Total - 2B	149	16,779	141	17,856
2C. Disorders of Speech	-	-	1	1,037
2C1. Speech Production and Disorders	33	2,790	22	2,363
2C2. Language Disorders	13	1,014	19	1,600
2C3. Oro-pharyngeal structure	1	67	1	69
2C4. Speech Perception	-	-	5	251
Total - 2C	47	3,871	48	5,319

Disorder Classification	All Research Grants			
	FY 1979		FY 1980	
	No.	Dollars*	No.	Dollars*
2D. Disorders of Other Senses	-	$ -	1	$ 55
2D1. Taste	15	743	14	808
2D2. Smell	24	1,398	22	2,001
2D3. Touch	11	785	14	1,133
2D4. Pain	31	2,040	32	2,708
2D5. Sensory Studies (multi.)	45	2,779	50	3,087
2D6. Neurological Mechanisms of Vision	10	747	13	1,041
Total - 2D	136	8,491	146	10,833
Sensory Disorders, Total	332	29,141	335	34,008
3. Multicategorical	5	1,324	5	1,400
Total - 3	5	1,324	5	1,400
4. Neural Prostheses***	-	-	-	-
4A. Bladder	1	41	1	44
4B. Auditory	2	323	2	283
4C. Visual	-	-	2	169
4D. Muscle	2	85	2	111
4E. Epilepsy	-	-	-	-
4F. Other than above	1	67	1	74
Total - 4	6	515	8	681
Grand Total*	1,391	$132,271	1,553	$160,737

N.B. The support shown for each disorder is for research in which the classification used refers to the major disorder. Where no support is shown, some research on the disorder may be coded in another area.

*Dollars may not add to total due to rounding.

**Includes grants which may involve more than one of the specific disorder categories listed.

***Before 1980 prosthesis research was not identified by type of prosthesis.

NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

SUMMARY TABLE II -- Regular Research Grants Awarded by Disorder, FY 1979 and 1980

(Dollars in Thousands)

Disorder Classification	Regular Research Grants			
	FY 1979		FY 1980	
	No.	Dollars	No.	Dollars
1. Neurological Disorders - Multi.**	1	$ 182	1	$ 205
Total - 1	1	182	1	205
1A. Disorders of Early Life	-	-	-	-
1A1. Cerebral Palsy	4	285	6	386
1A2. Mental Retardation	1	29	1	135
1A3. Toxic Metabolic/Deficiency Disorders	50	3,688	62	4,781
1A4. Early Development	123	8,113	129	9,565
1A5. Disorders of Early Life other than above	4	346	6	461
Total - 1A	182	12,462	204	15,328
1B. Disorders of Aging	6	310	9	448
1B1. Parkinsonism	16	1,035	26	1,630
1B2. Huntington's Disease	10	549	12	787
1B3. Senile/Presenile Dementia	11	742	12	1,394
1B4. Disorders of Aging other than above	3	72	3	384
Total - 1B	46	2,708	62	4,644
1C. Cerebrovascular Disorders	32	3,054	38	3,661
1C1. Aneurysms	-	-	1	184
1C2. Hemorrhage	-	-	1	81
1C3. Thrombosis and Embolism	-	-	-	-
1C4. Diagnostic Procedures	1	177	2	291
1C5. Headache	3	241	2	197
Total - 1C	36	3,472	44	4,415
1D. Convulsive and Related Paroxysmal Disorders	3	99	1	40
1D1. Epilepsy	64	3,606	64	3,358
1D2. Other Paroxysmal Disorders	3	217	7	406
Total - 1D	70	3,922	72	3,804
1E. Demyelinating/Sclerosing Disorders	26	1,831	29	2,321
1E1. Multiple Sclerosis	18	1,716	22	2,051
1E2. Amyotrophic Lateral Sclerosis	5	335	11	765
1E3. Allergic Encephalitis/Neuritis	11	970	12	1,016
1E4. Neuron Degeneration other than above	-	-	-	-
Total - 1E	60	4,851	74	6,154
1F. Muscular/Neuromuscular Disorders	87	5,865	82	5,536
1F1. Muscular Dystrophy	13	832	18	1,159
1F2. Myasthenia Gravis	11	995	13	1,262
1F3. Peripheral Neuropathy	7	404	8	486
1F4. Neuromuscular Disorders other than above	5	302	6	353
Total - 1F	123	8,398	127	8,796

Disorder Classification	FY 1979 No.	FY 1979 Dollars	FY 1980 No.	FY 1980 Dollars
1G. Infectious Diseases	4	$ 212	4	$ 223
1G1. Encephalitis or Encephalomyelitis	1	50	2	92
1G2. "Slow" viruses	18	1,473	18	1,565
1G3. Post-Infectious Neuritides	2	90	2	154
1G4. Meningitis	3	250	2	118
1G5. Parasitic Infections	-	-	1	65
Total - 1G	28	2,076	29	2,216
1H. Trauma and Injury	-	-	-	-
1H1. Brain Injury	7	460	8	474
1H2. Spinal Cord Injury	12	948	13	1,083
1H3. Peripheral Nerve Injury	2	132	1	264
1H4. Regeneration and Plasticity	59	4,107	64	4,696
1H5. Radiation Damage	4	223	3	155
1H6. Biomechanics, Manipulative Therapy	3	444	4	622
1H7. Diagnostic Procedures	-	-	-	-
1H8. Shock or Coma	2	320	4	505
Total - 1H	89	6,634	97	7,801
1J. Tumors of Nervous System	5	259	5	304
1J1. Brain Tumors	3	209	2	131
1J2. Spinal/Peripheral Nerve Tumor	1	64	1	60
1J3. Diagnostic Procedures	3	292	1	186
1J4. Intracranial Pressure	6	345	7	441
Total - 1J	18	1,169	16	1,122
1M. Neuroendocrine Studies	90	5,830	109	7,661
Total - 1M	90	5,830	109	7,661
1N. Neural Aspects of Hearing and Behavior	36	2,152	41	2,989
Total - 1N	36	2,152	41	2,989
1P. Nervous System Studies related to Normal Function	1	38	1	38
1P1. Anatomy	30	1,520	35	2,036
1P2. Physiology	141	8,765	175	12,017
1P3. Pharmacology	39	2,778	50	3,520
Total - 1P	211	13,101	261	17,611
Neurological Disorders, Total	990	66,957	1,137	82,746
2. Sensory Disorders	-	-	-	-
2B. Disorders of Hearing and Equilibrium	12	946	12	1,207
2B1. Hearing Disorders	49	4,129	43	4,165
2B2. Auditory System Structure and Function	62	4,216	63	4,616
2B3. Equilibrium	15	784	13	779
Total - 2B	138	10,076	131	10,766
2C. Disorders of Speech	-	-	-	-
2C1. Speech Production and Disorders	29	1,810	20	1,407
2C2. Language Disorders	12	821	18	1,347
2C3. Oro-pharyngeal structure	1	67	1	69
2C4. Speech Perception	-	-	5	251
Total - 2C	42	2,698	44	3,074

Disorder Classification	Regular Research Grants			
	FY 1979		FY 1980	
	No.	Dollars	No.	Dollars
2D. Disorders of Other Senses	-	$ -	1	$ 55
2D1. Taste	15	743	14	808
2D2. Smell	24	1,398	21	1,475
2D3. Touch	11	785	14	1,133
2D4. Pain	31	2,040	31	2,356
2D5. Sensory Studies (multi.)	45	2,779	50	3,087
2D6. Neurological Mechanisms of Vision	10	747	13	1,041
Total - 2D	136	8,491	144	9,955
Sensory Disorders, Total	316	21,265	319	23,795
3. Multicategorical	-	-	-	-
Total - 3	-	-	-	-
4. Neural Prostheses***	-	-	-	-
4A. Bladder	1	41	1	44
4B. Auditory	2	323	2	283
4C. Visual	-	-	2	169
4D. Muscle	2	85	2	111
4E. Epilepsy	-	-	-	-
4F. Other than above	1	67	1	74
Total - 4	6	515	8	681
Grand Total*	1,312	$ 88,737	1,464	$107,222

N.B. The support shown for each disorder is for research in which the classification used refers to the major disorder. Where no support is shown, some research on the disorder may be coded in another area.

*Dollars may not add to total due to rounding.

**Includes grants which may involve more than one of the specific disorder categories listed.

***Before 1980 prosthesis research was not identified by type of prosthesis.

SUMMARY TABLE III -- Program Projects and Clinical Research Centers Awarded by Disorder, FY 1979 and 1980

(Dollars in Thousands)

Disorder Classification	Program Projects and Clinical Centers FY 1979 No.	FY 1979 Dollars	FY 1980 No.	FY 1980 Dollars
1. Neurological Disorders - Multi.**	-	$ -	-	$ -
Total - 1	-	-	-	-
1A. Disorders of Early Life	1	511	-	-
1A1 Cerebral Palsy	-	-	-	-
1A2. Mental Retardation	-	-	-	-
1A3. Toxic Metabolic/Deficiency Disorders	-	-	1	1,103
1A4. Early Development	2	1,300	2	1,110
1A5. Disorders of Early Life other than above	-	-	-	-
Total - 1A	3	1,811	3	2,213
1B. Disorders of Aging	1	1,018	-	-
1B1. Parkinsonism	3	1,281	3	1,653
1B2. Huntington's Disease	-	-	2	1,350
1B3. Senile/Presenile Dementia	-	-	-	-
1B4. Disorders of Aging other than above	-	-	-	-
Total - 1B	4	2,299	5	3,003
1C. Cerebrovascular Disorders	10	7,008	11	8,614
1C1. Aneurysms	-	-	-	-
1C2. Hemorrhage	-	-	-	-
1C3. Thrombosis and Embolism	-	-	-	-
1C4. Diagnostic Procedures	5	5,197	7	5,720
1C5. Headache	-	-	-	-
Total - 1C	15	12,205	18	14,334
1D. Convulsive and Related Paroxysmal Disorders	1	321	1	498
1D1. Epilepsy	6	2,395	8	3,858
1D2. Other Paroxysmal Disorders	-	-	-	-
Total - 1D	7	2,716	9	4,356
1E. Demyelinating/Sclerosing Disorders	-	-	-	-
1E1. Multiple Sclerosis	6	4,024	7	5,084
1E2. Amyotrophic Lateral Sclerosis	1	242	1	214
1E3. Allergic Encephalitis/Neuritis	-	-	-	-
1E4. Neuron Degeneration other than above	-	-	-	-
Total - 1E	7	4,266	8	5,298
1F. Muscular/Neuromuscular Disorders	2	972	1	704
1F1. Muscular Dystrophy	1	849	1	764
1F2. Myasthenia Gravis	-	-	-	-
1F3. Peripheral Neuropathy	1	662	1	659
1F4. Neuromuscular Disorders other than above	-	-	-	-
Total - 1F	4	2,483	3	2,127

Disorder Classification	Program Projects and Clinical Centers FY 1979 No.	FY 1979 Dollars	FY 1980 No.	FY 1980 Dollars
1G. Infectious Diseases	-	$ -	-	$ -
1G1. Encephalitis or Encephalomyelitis	-	-	-	-
1G2. "Slow" viruses	-	-	-	-
1G3. Post-Infectious Neuritides	-	-	-	-
1G4. Meningitis	-	-	-	-
1G5. Parasitic Infections	-	-	-	-
Total - 1G	-	-	-	-
1H. Trauma and Injury	-	-	1	488
1H1. Brain Injury	6	2,913	6	3,271
1H2. Spinal Cord Injury	5	2,800	5	2,651
1H3. Peripheral Nerve Injury	-	-	-	-
1H4. Regeneration and Plasticity	2	844	4	1,998
1H5. Radiation Damage	-	-	-	-
1H6. Biomechanics, Manipulative Therapy	-	-	-	-
1H7. Diagnostic Procedures	-	-	-	-
1H8. Shock or Coma	-	-	-	-
Total - 1H	13	6,558	16	8,408
1J. Tumors of Nervous System	-	-	-	-
1J1. Brain Tumors	-	-	-	-
1J2. Spinal/Peripheral Nerve Tumor	-	-	-	-
1J3. Diagnostic Procedures	-	-	-	-
1J4. Intracranial Pressure	-	-	-	-
Total - 1J	-	-	-	-
1M. Neuroendocrine Studies	1	333	1	194
Total - 1M	1	333	1	194
1N. Neural Aspects of Learning and Behavior	1	412	-	-
Total - 1N	1	412	-	-
1P. Nervous System Studies related to Normal Function	-	-	-	-
1P1. Anatomy	1	394	1	267
1P2. Physiology	2	855	4	1,701
1P3. Pharmacology	-	-	-	-
Total - 1P	3	1,249	5	1,968
Neurological Disorders, Total	58	34,332	68	41,901
2. Sensory Disorders	-	-	-	-
2B. Disorders of Hearing and Equilibrium	3	1,687	3	1,981
2B1. Hearing Disorders	7	4,323	7	5,109
2B2. Auditory System Structure and Function	1	694	-	-
2B3. Equilibrium	-	-	-	-
Total - 2B	11	6,703	10	7,090
2C. Disorders of Speech	-	-	1	1,037
2C1. Speech Production and Disorders	4	980	2	957
2C2. Language Disorders	1	193	1	252
2C3. Oro-pharyngeal structure	-	-	-	-

Disorder Classification	Program Projects and Clinical Centers FY 1979 No.	FY 1979 Dollars	FY 1980 No.	FY 1980 Dollars
Total - 2C	5	1,173	4	2,248
2D. Disorders of Other Senses	-	$ -	-	$ -
2D1. Taste	-	-	-	-
2D2. Smell	-	-	1	526
2D3. Touch	-	-	-	-
2D4. Pain	-	-	1	352
2D5. Sensory Studies (multi.)	-	-	-	-
2D6. Neurological Mechanisms of Vision	-	-	-	-
Total - 2D	-	-	2	878
Sensory Disorders, Total	16	7,876	16	10,214
3. Multicategorical	5	1,324	5	1,400
Total - 3	5	1,324	5	1,400
4. Neural Prostheses***	-	-	-	-
4A. Bladder	-	-	-	-
4B. Auditory	-	-	-	-
4C. Visual	-	-	-	-
4D. Muscle	-	-	-	-
4E. Epilepsy	-	-	-	-
4F. Other than above	-	-	-	-
Total - 4	-	-	-	-
Grand Total*	79	$ 43,533	89	$ 53,515

N.B. The support shown for each disorder is for research in which the classification used refers to the major disorder. Where no support is shown, some research on the disorder may be coded in another area.

*Dollars may not add to total due to rounding.

**Includes grants which may involve more than one of the specific disorder categories listed.

***Before 1980 prosthesis research was not identified by type of prosthesis.

NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

SUMMARY TABLE IV -- Research Projects Awarded by Program Area, FY 1980

(Dollars in Thousands)

Program Area	Total		Regular Research Grants		Program Projects		Clinical Centers	
	No.	Dollars*	No.	Dollars*	No.	Dollars*	No.	Dollars*
Communicative Disorders	282	$ 30,188	267	$ 20,326	7	$ 5,489	8	$ 4,373
Fundamental Neurosci.	390	29,348	380	25,980	10	3,368	-	-
Neurological Disorders	670	63,399	641	46,207	12	6,376	17	10,815
Stroke and Trauma	211	37,803	176	14,709	16	10,140	19	12,954
Grand Total	1,553	$160,737	1,464	$107,222	45	$ 25,373	44	$ 28,142

*Dollars may not add to total due to rounding.

SUMMARY TABLE V -- Research Projects Awarded by Program Area and Type, FY 1980

(Dollars in Thousands)

Type	PROGRAM AREA									
	CD		EH		ND		ST		Total	
	R01's	P01's and P50's	R01's	P01's and P50's	R01's	P01's and P50's	R01's	P01's and P50's	R01's	P01's and P50's
					NUMBER					
1	47	3	85	1	119	6	36	6	287	16
2	30	7	50	4	75	7	22	7	177	25
3	16	-	13	-	19	3	7	16	55	19
5	186	5	240	5	435	16	113	22	974	48
7	3	-	4	-	9	-	4	-	20	-
9	1	-	1	-	3	-	1	-	6	-
Tot.	283	15	393	10	660	32	183	51	1,519	108
					DOLLARS*					
1	$ 3,283	$2,712	$ 5,532	$ 298	$ 8,086	$ 3,784	$ 2,651	$ 5,219	$ 19,552	$12,013
2	3,214	5,196	4,455	1,547	7,277	4,416	2,149	4,191	17,095	15,350
3	210	-	284	-	448	218	265	1,116	1,207	1,334
5	13,463	1,953	15,445	1,523	29,584	8,773	9,311	12,568	67,803	24,817
7	123	-	182	-	558	-	250	-	1,113	-
9	34	-	82	-	254	-	82	-	452	-
Tot.	$20,326	$9,862	$25,980	$3,368	$46,207	$17,191	$14,709	$23,094	$107,222	$53,515

*Dollars may not add to total due to rounding.

NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

SUMMARY TABLE VI -- Institutional National Research Service Awards by Training Area, FY 1980

(Dollars in Thousands)

Training Area	Number	Dollars*
Chemical Senses	-	$ -
Clinical Investigations	3	222
Communicative Disorders, Multi.	1	69
CNS Regeneration	1	111
Developmental Neurology	5	372
Epidemiology	2	169
Language and Linguistics	-	1
Neuroanatomy	2	109
Neurobiology	12	1,337
Neuroimmunology	1	142
Neurological Sciences, Multi.	6	498
Neuropathology	7	486
Neuropharmacology	1	64
Neurophysiology	2	139
Neurovirology	5	394
Sensory Physiology	13	944
Total	61	$ 5,055

*Dollars may not add to total due to rounding.

NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

SUMMARY TABLE VII -- Institutional National Research Service Awards by Program Area, FY 1980

(Dollars in Thousands)

Program Area	No.	Dollars*
Communicative Disorders	15	$ 1,050
Fundamental Neurosciences	19	1,821
Neurological Disorders	22	1,754
Stroke and Trauma	5	431
Total	61	$ 5,055

*Dollars may not add to total due to rounding.

NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

SUMMARY TABLE VIII -- Teacher-Investigator and Individual National Research Service Awards by Scientific Field, FY 1980

Scientific Field	Teacher-Investigator Awards		Individual National Research Service Awards	
	No.*	Dollars**	No.*	Dollars**
Audiology	1	$ 36	4	$ 90
Biochemistry	-	-	2	36
Biomedical Engineering	-	-	-	-
Biophysics	-	-	2	40
Cerebrovascular-Stroke	6	243	-	-
Chemical Senses	-	-	1	23
Clinical Investigations	2	79	3	55
CNS Regeneration	-	-	1	34
Communicative Disorders	-	-	-	5
Developmental Neurology	8	339	21	406
Epidemiology	-	-	1	17
Language and Linguistics	-	-	1	21
Neuroanatomy	3	119	13	254
Neurobiology	-	-	26	480
Neurochemistry	5	216	17	316
Neuroendocrinology	6	256	6	114
Neuroimmunology	4	170	4	83
Neurosciences, Multi.	-	-	1	21
Neurology	7	300	-	-
Neuropathology	3	129	-	8
Neuropharmacology	4	160	11	195
Neurophysiology	4	164	38	704
Neuroradiology	-	-	-	-
Neurosurgery	3	119	-	2
Neurovirology	6	257	1	17
Otolaryngology	12	523	-	-
Physiological Psychology	1	43	2	38
Sensory Physiology	-	-	32	604
Speech Pathology	7	261	5	91
Total	82	$ 3,413	192	$ 3,655

*Numbers of awards are for regular awards only and do not include supplemental awards.
**Dollars may not add to total due to rounding.

SUMMARY TABLE IX -- Teacher-Investigator and Individual National Research Service Awards by Program Area, FY 1980

(Dollars in Thousands)

Program Area	Teacher-Investigator Awards		Individual National Research Service Awards	
	No.	Dollars*	No.	Dollars*
Communicative Disorders	20	$ 820	40	$ 797
Fundamental Neurosciences	-	-	82	1,534
Neurological Disorders	46	1,941	57	1,076
Stroke and Trauma	16	652	13	249
Total	82	$ 3,413	192	$ 3,655

*Dollars may not add to total due to rounding.

NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

SUMMARY TABLE X -- Research Career Awards by Scientific Field, FY 1980

Scientific Field	Research Career Awards		Research Career Development Awards	
	No.	Dollars*	No.	Dollars*
Audiology	-	$ -	4	$ 157
Biochemistry	-	-	4	154
Biomedical Engineering	-	-	1	37
Biophysics	-	-	2	64
Cerebrovascular-Stroke	1	31	1	32
Communicative Disorders	-	-	1	38
Developmental Neurology	-	-	5	178
Neuroanatomy	-	-	5	193
Neurobiology	-	-	15	568
Neurochemistry	-	-	10	371
Neuroendocrinology	-	-	6	216
Neuroimmunology	-	-	1	40
Neuropathology	-	-	4	157
Neuropharmacology	2	66	9	334
Neurophysiology	-	-	14	478
Neurosurgery	-	-	1	37
Neurovirology	-	-	1	38
Otolaryngology	1	34	-	-
Physiological Psychology	1	32	3	111
Sensory Physiology	-	-	9	343
Speech Pathology	-	-	1	29
Speech Perception	-	-	1	30
Total	5	$ 164	98	$ 3,604

*Dollars may not add to total due to rounding.

SUMMARY TABLE XI - Research Career Awards by Program Area, FY 1980

(Dollars in Thousands)

Program area	Research Career Awards		Research Career Development Awards	
	No.	Dollars*	No.	Dollars*
Communicative Disorders	1	$ 34	20	$ 746
Fundamental Neurosciences	-	-	22	809
Neurological Disorders	3	98	45	1,640
Stroke and Trauma	1	31	11	409
Total	5	$ 164	98	$ 3,604

*Dollars may not add to total due to rounding.

NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

SUMMARY TABLE XII -- Research, Training and Fellowship Awards by State or Country, FY 1980

(Dollars in Thousands)

State or Country	Total		Research Grants (R's and P's)		Training Awards				Teacher Investigator Awards		Research Career Program (K04's only)	
					T-32's/T-35's		F-32's					
	No.	Dollars*	No.	Dollars*	No.	Dollars*	No.	Dollars*	No.	Dollars*	No.	Dollars*
Alabama	8	$ 1,299	6	$ 1,178	1	$ 71	-	$ 4	1	$ 46	-	$ -
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Arizona	14	743	11	667	-	-	2	37	1	40	-	-
Arkansas	6	242	6	242	-	-	-	-	-	-	-	-
California	289	23,826	230	21,822	9	695	33	630	7	289	10	389
Colorado	35	2,612	25	2,319	1	80	6	103	-	-	3	110
Connecticut	76	7,465	61	6,937	3	233	8	147	2	82	2	66
Delaware	2	73	2	73	-	-	-	-	-	-	-	-
District of Columbia	10	583	8	519	-	-	1	24	-	-	1	39
Florida	49	4,625	39	4,293	2	117	5	102	1	42	2	70
Georgia	15	1,120	14	1,077	1	43	-	-	-	-	-	-
Hawaii	4	303	4	302	-	-	-	1	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Illinois	86	5,807	72	5,197	4	379	7	125	1	37	2	69
Indiana	30	1,797	25	1,641	1	43	1	6	-	-	3	106
Iowa	24	1,704	23	1,668	-	-	-	-	-	-	1	36
Kansas	14	951	12	872	-	-	-	1	1	43	1	35
Kentucky	5	195	3	117	-	-	-	-	1	42	1	35
Louisiana	15	1,418	14	1,354	1	65	-	-	-	-	-	-
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Maryland	107	9,175	75	8,213	2	146	16	242	9	384	5	190
Massachusetts	159	15,206	117	13,474	9	759	18	373	9	375	6	225
Michigan	62	7,100	53	6,827	2	73	3	40	2	84	2	77
Minnesota	37	4,770	32	4,599	1	31	1	20	1	43	2	77
Mississippi	5	219	5	219	-	-	-	-	-	-	-	-
Missouri	61	6,542	48	5,668	4	557	1	18	3	118	5	180
Montana	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska	8	412	6	320	1	69	1	23	-	-	-	-
Nevada	1	42	1	42	-	-	-	-	-	-	-	-
New Hampshire	4	298	3	259	-	-	-	-	-	-	1	39
New Jersey	19	1,184	17	1,140	-	-	2	43	-	-	-	-
New Mexico	1	61	1	61	-	-	-	-	-	-	-	-
New York	288	28,806	215	26,091	10	873	33	649	14	608	16	586
North Carolina	61	5,185	47	4,687	1	105	6	124	3	130	4	139
North Dakota	3	174	3	174	-	-	-	-	-	-	-	-
Ohio	49	3,822	36	3,318	2	170	4	78	3	109	4	147
Oklahoma	1	32	1	32	-	-	-	-	-	-	-	-
Oregon	20	1,140	15	1,032	-	-	4	76	-	-	1	32

State or Country	Total		Research Grants (R's and P's)		Training Awards				Investigator Awards		Program (K04's only)	
					T-32's/T-35's		F-32's					
	No.	Dollars*	No.	Dollars*	No.	Dollars*	No.	Dollars*	No.	Dollars*	No.	Dollars*
Pennsylvania	117	14,000	88	13,040	4	284	14	255	4	172	7	250
Puerto Rico	1	142	1	142	-	-	-	-	-	-	-	-
Rhode Island	7	383	7	378	-	-	-	5	-	-	-	-
South Carolina	8	821	8	821	-	-	-	-	-	-	-	-
South Dakota	1	46	1	46	-	-	-	-	-	-	-	-
Tennessee	17	1,166	14	1,083	-	-	2	40	1	42	-	-
Texas	105	7,823	83	7,019	2	145	7	138	5	218	8	303
Utah	19	1,595	15	1,423	1	52	-	-	1	42	2	78
Vermont	3	147	2	107	-	-	-	-	1	40	-	-
Virginia	32	2,671	24	2,394	-	-	2	40	4	164	2	73
Washington	46	3,277	28	2,610	2	174	5	91	7	264	4	138
West Virginia	4	228	4	228	-	-	-	-	-	-	-	-
Wisconsin	31	3,584	26	3,391	1	78	2	39	-	-	2	76
Wyoming	3	106	2	69	-	-	-	-	-	-	1	37
Total, United States	1,962	174,918	1,533	159,185	65	5,242	184	3,474	82	3,413	98	3,604
Canada	12	1,262	10	1,228	-	-	2	34	-	-	-	-
Denmark	1	17	1	17	-	-	-	-	-	-	-	-
France	1	18	-	-	-	-	1	18	-	-	-	-
German, Federal Republic	1	19	-	-	-	-	1	19	-	-	-	-
Israel	4	143	4	143	-	-	-	-	-	-	-	-
Italy	1	15	1	15	-	-	-	-	-	-	-	-
Japan	-	5	-	-	-	-	-	5	-	-	-	-
New Zealand	1	49	1	49	-	-	-	-	-	-	-	-
Sweden	3	110	2	82	-	-	1	28	-	-	-	-
United Kingdom	4	89	1	17	-	-	3	72	-	-	-	-
Total Foreign	28	1,727	20	1,551	-	-	8	176	-	-	-	-
Grand Total	1,990	$176,651	1,553	$160,737	65	$5,242	192	$3,655	82	$3,413	98	$3,604

*Dollars may not add to total due to rounding.

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